

INTERNATIONAL SEARCH REPORT

Interr..... Application No
PCT/IB 03/01155

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04M1/73 H04Q7/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M H04Q H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 366 134 A (NOKIA MOBILE PHONES LTD) 27 February 2002 (2002-02-27) "page 2, line 6 - line 20 page 3, line 10 - line 16 page 7, line 16 -page 8, line 28 abstract; claims 1-7,13-17; figure 4	1-6, 8-19, 21-26
Y	---	7,20

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the international search report

9 September 2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/011032 A1 (SUZUKI TAKAHIRO) 2 August 2001 (2001-08-02) paragraph [0004] paragraph [0008] paragraph [0014] paragraph [0033] paragraph [0036] - paragraph [0037] paragraph [0060] abstract; claims 1,4,7,12; figure 2	1-6, 8-19, 21-26
Y	---	7,20
X	EP 1 032 230 A (SONY CORP) 30 August 2000 (2000-08-30) paragraph [0003] - paragraph [0004] paragraph [0023] abstract; claim 1; figure 3 ---	1,14
X	US 2001/012774 A1 (MURAMATSU TOSHIHIKO) 9 August 2001 (2001-08-09) paragraph [0005] paragraph [0008] - paragraph [0009] paragraph [0017] - paragraph [0019] paragraph [0026] paragraph [0028] paragraph [0047] abstract; claims 1,2,8,10,12-14,19-22 ---	1,14
Y	WO 99 43105 A (QUALCOMM INC) 26 August 1999 (1999-08-26) page 11, line 18 - line 22 -----	7,20

INTERNATIONAL SEARCH REPORT

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PCT/IB 03/01155

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
GB 2366134	A	27-02-2002	NONE			
US 2001011032	A1	02-08-2001	JP	2001217927 A	10-08-2001	
			CN	1307424 A	08-08-2001	
			GB	2365271 A	13-02-2002	
EP 1032230	A	30-08-2000	JP	2000253010 A	14-09-2000	
			CN	1266345 A	13-09-2000	
			EP	1032230 A2	30-08-2000	
			US	6229990 B1	08-05-2001	
US 2001012774	A1	09-08-2001	JP	2001224068 A	17-08-2001	
			GB	2365273 A	13-02-2002	
WO 9943105	A	26-08-1999	US	6545989 B1	08-04-2003	
			AU	2773099 A	06-09-1999	
			AU	2776099 A	06-09-1999	
			AU	3300899 A	06-09-1999	
			AU	747724 B2	23-05-2002	
			AU	3300999 A	06-09-1999	
			BR	9904864 A	16-10-2001	
			BR	9904866 A	26-09-2000	
			CN	1256817 T	14-06-2000	
			CN	1262820 T	09-08-2000	
			EP	0992132 A1	12-04-2000	
			EP	0976206 A1	02-02-2000	
			EP	0983643 A1	08-03-2000	
			EP	1004217 A1	31-05-2000	
			FI	992212 A	17-12-1999	
			FI	992247 A	17-12-1999	
			JP	2002503429 T	29-01-2002	
			JP	2001522574 T	13-11-2001	
			NO	995079 A	16-12-1999	
			NO	995080 A	16-12-1999	
			WO	9943180 A1	26-08-1999	
			WO	9943100 A1	26-08-1999	
			WO	9943105 A1	26-08-1999	
			WO	9943101 A1	26-08-1999	
			US	6421540 B1	16-07-2002	
			US	2003100298 A1	29-05-2003	
			US	6366778 B1	02-04-2002	